

2590  
89/6 # 8

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## RAW SEQUENCE LISTING

DATE: 09/18/2002

PATENT APPLICATION: US/10/055,711

TIME: 10:58:09

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09182002\J055711.raw

**ENTERED**

3 <110> APPLICANT: REBAR, Edward  
 4 JAMIESON, Andrew  
 6 <120> TITLE OF INVENTION: MODIFIED ZINC FINGER BINDING PROTEINS  
 8 <130> FILE REFERENCE: 8325-0025  
 10 <140> CURRENT APPLICATION NUMBER: 10/055,711  
 C--> 11 <141> CURRENT FILING DATE: 2002-09-10  
 13 <160> NUMBER OF SEQ ID NOS: 147  
 15 <170> SOFTWARE: PatentIn Ver. 2.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 25  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
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 23 <223> OTHER INFORMATION: Description of Artificial Sequence: general sequence  
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 28 <223> OTHER INFORMATION: where Xaa is any amino acid  
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 32 <222> LOCATION: (4)..(5)  
 33 <223> OTHER INFORMATION: where Xaa may be present or absent  
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 37 <222> LOCATION: (7)..(18)  
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 42 <222> LOCATION: (20)..(24)  
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 47 <222> LOCATION: (23)..(24)  
 48 <223> OTHER INFORMATION: where Xaa may be present or absent  
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 52 1 5 10 15  
 W--> 54 Xaa Xaa His Xaa Xaa Xaa Xaa His  
 55 20 25  
 58 <210> SEQ ID NO: 2  
 59 <211> LENGTH: 34  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial Sequence

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64 <223> OTHER INFORMATION: Description of Artificial Sequence: canonical
65     consensus sequence
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68 <221> NAME/KEY: SITE
69 <222> LOCATION: (1)..(3)
70 <223> OTHER INFORMATION: where Xaa is any amino acid
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73 <221> NAME/KEY: SITE
74 <222> LOCATION: (5)..(8)
75 <223> OTHER INFORMATION: where Xaa is any amino acid
77 <220> FEATURE:
78 <221> NAME/KEY: SITE
79 <222> LOCATION: (7)..(8)
80 <223> OTHER INFORMATION: where Xaa may be present or absent
82 <220> FEATURE:
83 <221> NAME/KEY: SITE
84 <222> LOCATION: (10)..(21)
85 <223> OTHER INFORMATION: where Xaa is any amino acid
87 <220> FEATURE:
88 <221> NAME/KEY: SITE
89 <222> LOCATION: (23)..(29)
90 <223> OTHER INFORMATION: where Xaa is any amino acid
92 <220> FEATURE:
93 <221> NAME/KEY: SITE
94 <222> LOCATION: (24)..(29)
95 <223> OTHER INFORMATION: where Xaa may be present or absent
97 <220> FEATURE:
98 <221> NAME/KEY: SITE
99 <222> LOCATION: (31)..(34)
100 <223> OTHER INFORMATION: where Xaa is any amino acid
102 <400> SEQUENCE: 2
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      104 1             5             10             15
W--> 106 Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa
      107             20             25             30
W--> 109 Xaa Xaa
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114 <211> LENGTH: 9
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
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119 <223> OTHER INFORMATION: Description of Artificial Sequence: target sequence
121 <400> SEQUENCE: 3
122 ggcgtagac
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 9
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

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133 ggcgacgta
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 5
137 <212> TYPE: PRT
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140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
143 <400> SEQUENCE: 5
144 Thr Gly Glu Lys Pro
145 1 5
148 <210> SEQ ID NO: 6
149 <211> LENGTH: 5
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
156 <400> SEQUENCE: 6
157 Gly Gly Gly Gly Ser
158 1 5
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 8
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
169 <400> SEQUENCE: 7
170 Gly Gly Arg Arg Gly Gly Gly Ser
171 1 5
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
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184 1 5
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188 <211> LENGTH: 12
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193 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
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197 1 5 10

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PATENT APPLICATION: US/10/055,711

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Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09182002\J055711.raw

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 209 Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro  
 210    1                          5                          10                          15  
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 219 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion C2H2  
 221 <400> SEQUENCE: 11  
 222 His Ile Lys Thr His Gln Asn Lys Lys Gly Gly Ser  
 223    1                          5                          10  
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 228 <212> TYPE: PRT  
 229 <213> ORGANISM: Artificial Sequence  
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 236    1                          5                          10  
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 245 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion E  
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 248 His Leu Lys Ser Leu Thr Pro Cys Thr Gly Gly Ser  
 249    1                          5                          10  
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 254 <212> TYPE: PRT  
 255 <213> ORGANISM: Artificial Sequence  
 257 <220> FEATURE:  
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 261 His Lys Cys Gly Ile Gln Asn Lys Lys Gly Gly Ser  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/055,711

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Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09182002\J055711.raw

270 &lt;220&gt; FEATURE:

271 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: ZFP portion CT

273 &lt;400&gt; SEQUENCE: 15

274 His Ser Glu Asn Cys Gln Gly Lys Lys Gly Gly Ser

275 1 5 10

278 &lt;210&gt; SEQ ID NO: 16

279 &lt;211&gt; LENGTH: 12

280 &lt;212&gt; TYPE: PRT

281 &lt;213&gt; ORGANISM: Artificial Sequence

283 &lt;220&gt; FEATURE:

284 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: ZFP portion C

286 &lt;400&gt; SEQUENCE: 16

287 His Ile Lys Thr Cys Gln Asn Lys Lys Gly Gly Ser

288 1 5 10

291 &lt;210&gt; SEQ ID NO: 17

292 &lt;211&gt; LENGTH: 12

293 &lt;212&gt; TYPE: PRT

294 &lt;213&gt; ORGANISM: Artificial Sequence

296 &lt;220&gt; FEATURE:

297 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: ZFP portion GC

299 &lt;400&gt; SEQUENCE: 17

300 His Ile Lys Gly Cys Gln Asn Lys Lys Gly Gly Ser

301 1 5 10

304 &lt;210&gt; SEQ ID NO: 18

305 &lt;211&gt; LENGTH: 12

306 &lt;212&gt; TYPE: PRT

307 &lt;213&gt; ORGANISM: Artificial Sequence

309 &lt;220&gt; FEATURE:

310 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: ZFP portion GGC

312 &lt;400&gt; SEQUENCE: 18

313 His Ile Gly Gly Cys Gln Asn Lys Lys Gly Gly Ser

314 1 5 10

317 &lt;210&gt; SEQ ID NO: 19

318 &lt;211&gt; LENGTH: 28

319 &lt;212&gt; TYPE: PRT

320 &lt;213&gt; ORGANISM: Artificial Sequence

322 &lt;220&gt; FEATURE:

323 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: SP-1 consensus

325 &lt;220&gt; FEATURE:

326 &lt;221&gt; NAME/KEY: SITE

327 &lt;222&gt; LOCATION: (12)..(18)

328 &lt;223&gt; OTHER INFORMATION: where Xaa is any amino acid

330 &lt;400&gt; SEQUENCE: 19

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332 1 5 10 15

W- -&gt; 334 Xaa Xaa His Gln Arg Thr His Thr Gly Glu Lys Pro

335 20 25

338 &lt;210&gt; SEQ ID NO: 20

339 &lt;211&gt; LENGTH: 34

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PATENT APPLICATION: US/10/055,711DATE: 09/18/2002  
TIME: 10:58:10Input Set : A:\seqlist.txt  
Output Set: N:\CRF4\09182002\J055711.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24  
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Seq#:19; Xaa Pos. 12,13,14,15,16,17,18  
Seq#:20; Xaa Pos. 18,19,20,21,22,23,24  
Seq#:21; Xaa Pos. 12,13,14,15,16,17,18  
Seq#:22; Xaa Pos. 12,13,14,15,16,17,18  
Seq#:24; Xaa Pos. 4,5  
Seq#:25; Xaa Pos. 16,17,18,19,20,21,22  
Seq#:26; Xaa Pos. 12,13,14,15,16,17,18  
Seq#:27; Xaa Pos. 12,13,14,15,16,17,18  
Seq#:28; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44  
Seq#:28; N Pos. 45  
Seq#:29; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44  
Seq#:29; N Pos. 45  
Seq#:30; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47  
Seq#:30; N Pos. 48  
Seq#:118; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23  
Seq#:118; Xaa Pos. 24,25,26,27,28,29,31,32,33,34  
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Seq#:123; Xaa Pos. 23,24,25,26,27,28,29,31,32,33,34  
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